

Appl. No. 09/915,894  
Amdt. dated January 19, 2006  
Reply to Office action of October 19, 2005

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended) A method for image transmission, said method comprising the acts of:  
  
hosting an image file on a server;  
  
transmitting a representative part of said image file to a client;  
  
selecting receiving a selection of a customization of said image file, based on said  
representative part, through a client interface on said client;  
  
transmitting said customization selection from said client to said server;  
  
parsing said image file on said server to determine additional parts of said image  
file that may be combined with said representative part to form necessary  
for said customization; and  
  
transmitting said additional parts of said image file to said client;  
  
wherein said representative part is only sent once during said transmitting a  
representative part and said additional parts do not comprise image data  
already sent in said representative part.
2. (original) The method of claim 1 wherein said representative part of said image file is a low-resolution version of said image.
3. (original) The method of claim 1 wherein said client interface prompts a user for

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image customization data.

4. (original) The method of claim 1 wherein said selecting a customization comprises selecting data from the group consisting of quality data, scalability data, resolution data and region-of-interest (ROI) data.
5. (original) The method of claim 1 wherein said selecting a customization comprises displaying a thumbnail image to a user and allowing a user to select customization characteristics by interaction with said thumbnail image.
6. (original) The method of claim 1 wherein said image file is a JPEG 2000 file.
7. (original) The method of claim 1 wherein said transmitting uses an HTTP transmission protocol.
8. (original) The method of claim 1 wherein said selecting a customization of said image comprises selecting an image resolution below the maximum resolution available for said image.
9. (original) The method of claim 1 wherein said transmitting said additional parts of said image file comprises streaming said additional parts of said image file to said client.

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10. (original) The method of claim 1 wherein the size of said representative part is relative to the bandwidth of the connection between said server and said client interface.
11. (original) The method of claim 1 wherein said representative part comprises metadata comprising data selected from the group consisting of image quality data, scalability data, resolution data and ROI data.
12. (original) The method of claim 1 wherein said client caches data received from said server.
13. (currently amended) A method for interactive customized image transmission, said method comprising the acts of:  
hosting an image file on a server;  
parsing said image file to obtain initial file parts ~~a thumbnail version~~ of said image file;  
transmitting said ~~thumbnail version~~ initial file parts of said image file to a client;  
receiving a customization selection ~~of a customized version~~ of said image file,  
based on said initial file parts ~~thumbnail version~~;  
parsing said image file at said server to determine additional parts of said image file that may be combined with said initial file parts to generate necessary  
for said customization customized version; and

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transmitting said additional parts of said image file ~~required for said customized~~  
~~version to said client for combination with said initial file parts without~~  
~~retransmitting said initial file parts at least one part of said thumbnail~~  
~~version.~~

14. (canceled)
15. (original) The method of claim 13 wherein said selecting a customized version of said image comprises selecting an image resolution below the maximum resolution available for said image.
16. (original) The method of claim 13 wherein said selecting a customized version of said image comprises selecting quality scalability.
17. (original) The method of claim 13 wherein said selecting a customization of said image comprises selecting a region of interest on said image.
18. (original) The method of claim 13 wherein said image file is a JPEG 2000 image file.
19. (original) The method of claim 13 wherein said transmitting employs a HTTP transmission protocol.

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20. (canceled)
21. (currently amended) An image server enabling interactive customized image transmission, said server comprising:  
  
storage for storing at least one image file;  
  
a sender for sending an integral, representative part of said image file;  
  
a receiver for receiving requests from a client for a customized versions of said at  
  
least one image file;  
  
a parser for parsing said image file and determining what additional parts of said  
  
image file are required to combine with said representative part to render  
  
said customized versions of said image file; and  
  
a sender for sending said additional parts of said image to said client without  
  
retransmission of said representative part.
22. (canceled)
23. (canceled)
24. (new) A method for interactive customized image transmission, said method comprising the acts of:  
  
hosting an image file on a server, wherein said image file is divided into tile parts;  
  
transmitting an initial representative part of said image file to a recipient;  
  
receiving a request for a customized version of said image stored in said image  
  
file;

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parsing at least one of a main image file header and a tile-part header to obtain  
additional file parts that may be combined with said initial representative  
part to form said customized version of said image;  
transmitting said additional file parts to said recipient for combination with said  
initial file parts without retransmitting said initial file parts.

25. (new) The method of claim 24 wherein said receiving a request comprises  
receiving at least one of an HTTP Post and an HTTP Get request.